CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22

Date: 30.10.2021

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

Sample : :Cement (Dalmia 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : September - 2021

Date of Testing : 28.10.2021 to 30.10.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50%	-

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Note:

1. The Material is Satisfied as per the Requirements.

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Date : 30.10.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore

Date of Testing : 30.10.2021
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	64	6.40	6.40	93.6	90-100
2.36	148	14.80	21.20	78.8	75-100
1.18	153	15.30	36.50	63.5	55-90
600 Micron	248	24.80	61.30	38.7	35-59
300 Micron	155	15.50	76.80	23.2	8-30
150 Micron	149	14.90	91.70	8.3	0-10

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Date : 30.10.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore

Date of Testing : 30.10.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	205	1.37	1.37	98.63	95-100
20	8365	55.77	57.13	42.87	30-70
10	3254	21.69	78.83	21.17	10-35
4.75	2547	16.98	95.81	4.19	0-5

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEER

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Date : 30.10.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore

Date of Testing : 30.10.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	189	3.8	3.8	96.2	95-100
10	2745	54.9	58.7	41.3	25-55
4.75	1763	35.3	93.9	6.1	0-10

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Date: 30.10.2021

TEST REPORT ON CPVC PIPE

Client	**: Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP,
Sample Supplied by:	:AGENCY
Location	Near By Ex Council Mamatha House (Ward No.17) Shankar Nag Railway Nildana
BIS Code:	IS 13360(Part3/Sec 1):1995 IS 15778:2007
Sample Identification:	CPVC pipe 20mm dia
Date of Testing	30.10.2021

Sl.No	Test	Test Result	Requirements as per IS: 15778:2007
1	Nominal Outer Diameter (mm)	22.2	22.2 mm
2	Mean Outside Diameter (mm)	22.2	Min 22.1 mm Max 22.3 mm
3	Outside Diameter at Any Point (mm)	22.30%	Min 22 mm Max 22.4 mm
4	Density	1468 Kg/m^3	1450 Kg/m^3 & 1650 Kg/m^3

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Dt: 30.10.2021

TEST REPORT ON CPVC PIPE

Client	**: Assistant Executive Engineer,** Yashwanthapura Sub Division,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of Work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP,
Sample Supplied by:	:AGENCY
Location	Near By Ex Council Mamatha House (Ward No.17) Shankar Nag Railway Nildana
BIS Code:	IS 13360(Part3/Sec 1):1995 IS 15778:2007
Sample Identification:	CPVC pipe 50mm dia
Date of Testing	30.10.2021

Sl.No	Test	Test Result	Requirements as per IS: 15778:2007
1	Nominal Outer Diameter (mm)	54	54 mm
2	Mean Outside Diameter (mm)	54.1	Min 53.9 mm Max 54.1 mm
3	Outside Diameter at Any Point (mm)	54.20%	Min 53.7 mm Max 54.3 mm
4	Density	1571 Kg/m^3	1450 Kg/m^3 & 1650 Kg/m^3

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Note:
1. The Material is Satisfied as per the Requirements.

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 30.10.2021

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

Sample Supplied by: :AGENCY

Location Near By Ex Council Mamatha House (Ward No.17) Shankar Nag Railway Nildana

BIS Code: IS 4985:2000

Sample Identification: PVC pipe 250mm dia

Date of Testing 30.10.2021

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	250	250 mm
2	Mean Outside Diameter (mm)	250.4	Min 250 mm Max 250.8 mm
3	Outside Diameter at Any Point (mm)	252.5%	Min 247 mm Max 253 mm

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

CQCE/BBMP/NMK/017/2021-22 Date 05.11.2021

GRADATION FOR GSB (Grading V)

Client : **: Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency: **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of work: :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Location Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi

Date of Testing : 03.11.2021 ro 05.11.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1023	1023	7.87	92.13	80-100
26.5	2361	3384	26.03	73.97	55-90
9.5	2218	5602	43.09	56.91	35-65
4.75	1634	7236	55.66	44.34	25-50
2.36	3219	10455	80.42	19.58	10-20
0.85	1355	11810	90.85	9.15	2-10
0.425	720	12530	96.38	3.62	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	21.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

1. The Material is Satisfied as per the Requirements

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No: CQCE/BBMP/NMK/017/2021-22

Date 05.11.2021

GRADATION FOR GSB (Grading V)

Client : : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency: **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of work: :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Location Near By Ex Council Mamatha House (Ward No.17) B K Nagara 12th main, 12th Cross road in Front of Gangamma House

Date of Testing : 03.11.2021 ro 05.11.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1011	1011	7.78	92.22	80-100
26.5	2250	3261	25.08	74.92	55-90
9.5	2230	5491	42.24	57.76	35-65
4.75	1453	6944	53.42	46.58	25-50
2.36	3521	10465	80.50	19.50	10-20
0.85	1323	11788	90.68	9.32	2-10
0.425	980	12768	98.22	1.78	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	20.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No: CQCE/BBMP/NMK/017/2021-22 Date 05.11.2021

GRADATION FOR GSB (Grading V)

Client : **: Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency: **Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of work: :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

BIS Code: IS 2386 Part (1):1963
IS 2720 part (5):1985

Location Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)
Date of Testing : 03.11.2021 ro 05.11.2021

Oven Dry Wt (gm) : 13000

TABLE – 1

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Requirements as per MORTH 5th edition table 400.1
75	0	0	0.00	100	100
53	1457	1457	11.21	88.79	80-100
26.5	2356	3813	29.33	70.67	55-90
9.5	2658	6471	49.78	50.22	35-65
4.75	1954	8425	64.81	35.19	25-50
2.36	2647	11072	85.17	14.83	10-20
0.85	1358	12430	95.62	4.38	2-10
0.425	264	12694	97.65	2.35	0-5

Table 2

Sl. No.	Particulars	Test Results	Requirements as per MORTH 5th edition table 400.2
1	Liquid Limit, %	18.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NMK/017/2021-22 Date: 11.11.2021

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD
(IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Contractor **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

Location Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of

Date of Testing : 09.11.2021 to 11.11.2021

Material Source :GSB Optium Moisture Content (%):6.5

Max.Dry Density (S) (g/cc):2.23

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
1	Sample 1	2.189	98.16	Min 98%

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NMK/017/2021-22 Date: 11.11.2021

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD
(IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Contractor **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

Location Near By Ex Council Mamatha House (Ward No.17) B K Nagara 12th main, 12th

Date of Testing : 09.11.2021 to 11.11.2021

Material Source :GSB

Optium Moisture Content (%):6.5

Max.Dry Density (S) (g/cc):2.23

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
1	Sample 1	2.191	98.25	Min 98%

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No: CQCE/BBMP/NMK/017/2021-22 Date: 11.11.2021

FIELD DENSITY TEST BY SAND REPLACEMENT METHOD (IS : 2720 - Part 28)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Contractor **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of the work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13). BBMP, Bangalore

Location Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)

Date of Testing : 09.11.2021 to 11.11.2021

Material Source :GSB

Optium Moisture Content (%):6.5

Max.Dry Density (S) (g/cc):2.24

Sl.no	Location/Identification	Field dry Density (g/cc)	Field compaction achieved (%)	Requirement as per MORTH 5th edition Table 401.3.2
1	Sample 1	2.199	98.17	Min 98%

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No.: CQCE/BBMP/NMK/017/2021-22

Date : 13.11.2021

GRADATION FOR DRY LEAN CONCRETE
MORTH TABLE-600-1

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency **Sri. N M Krishnamurthy,** Contractor, Bangalore.

Name of Work :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore

Location Near By Ex Council Mamatha House (Ward No.17) B K Nagara 12th main, 12th Cross road in Front of Gangamma House

Date of Testing : 13.11.2021

Material : Dry Lean Concrete

Oven Dry Wt (gm): **10000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
26.5	0	0	0	100	100
19	839	839	8.4	91.6	75-95
9.5	2314	3153	31.5	68.5	50-70
4.75	2258	5411	54.1	45.9	30-55
2.36	2145	7556	75.6	24.4	17-42
0.6	822	8378	83.8	16.2	8-22
0.3	166	8544	85.4	14.6	7-17
0.15	422	8966	89.7	10.3	2-12
0.075	533	9499	95.0	5.0	0-10

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22

Date: 22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.081	505.5	22.47
2	15.11.2021	22.11.2021	8.191	515.6	22.92
3	15.11.2021	22.11.2021	8.054	525.4	23.35

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22

Date: 13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.099	721.6	32.07
2	15.11.2021	13.12.2021	8.122	731.7	32.52
3	15.11.2021	13.12.2021	8.177	741.5	32.96

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22

Date: 22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.055	506.4	22.51
2	15.11.2021	22.11.2021	8.111	516.7	22.96
3	15.11.2021	22.11.2021	8.195	527.8	23.46

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22

Date: 13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.122	722.6	32.12
2	15.11.2021	13.12.2021	8.044	733.4	32.60
3	15.11.2021	13.12.2021	8.011	744.7	33.10

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signator,

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22

Date: 22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.182	507.6	22.56
2	15.11.2021	22.11.2021	8.134	518.4	23.04
3	15.11.2021	22.11.2021	8.059	528.5	23.49

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22 Date: 13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.016	723.4	32.15
2	15.11.2021	13.12.2021	8.193	734.5	32.64
3	15.11.2021	13.12.2021	8.103	745.6	33.14

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/NMK/017/2021-22

Date: 22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.103	510.4	22.68
2	15.11.2021	22.11.2021	8.177	516.9	22.97
3	15.11.2021	22.11.2021	8.071	531.6	23.63

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22

Date: 13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.176	724.1	32.18
2	15.11.2021	13.12.2021	8.076	732.6	32.56
3	15.11.2021	13.12.2021	8.134	745.5	33.13

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22

Date: 22.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	22.11.2021	8.157	511.4	22.73
2	15.11.2021	22.11.2021	8.039	519.8	23.10
3	15.11.2021	22.11.2021	8.124	527.6	23.45

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Report No.: CQCE/BBMP/NMK/017/2021-22

Date: 13.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17)Shankar Nag Railwy Nildana
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.11.2021	13.12.2021	8.028	723.4	32.15
2	15.11.2021	13.12.2021	8.082	733.5	32.60
3	15.11.2021	13.12.2021	8.144	746.8	33.19

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Report No.: CQCE/BBMP/NMK/017/2021-22

Date: 23.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	23.11.2021	8.154	517.5	23.00
2	16.11.2021	23.11.2021	8.095	523.6	23.27
3	16.11.2021	23.11.2021	8.024	535.9	23.82

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Lab No.: CQCE/BBMP/NMK/017/2021-22 Date: 14.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	14.12.2021	8.117	713.4	31.71
2	16.11.2021	14.12.2021	8.166	731.6	32.52
3	16.11.2021	14.12.2021	8.028	746.1	33.16

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Report No.: CQCE/BBMP/NMK/017/2021-22

Date: 23.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	23.11.2021	8.108	516.4	22.95
2	16.11.2021	23.11.2021	8.084	524.7	23.32
3	16.11.2021	23.11.2021	8.199	534.8	23.77

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Report No.: CQCE/BBMP/NMK/017/2021-22

Date: 14.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	14.12.2021	8.101	718.4	31.93
2	16.11.2021	14.12.2021	8.138	726.7	32.30
3	16.11.2021	14.12.2021	8.074	736.5	32.73

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 23.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	23.11.2021	8.119	508.7	22.61
2	16.11.2021	23.11.2021	8.029	527.4	23.44
3	16.11.2021	23.11.2021	8.176	532.6	23.67

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 14.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
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Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	14.12.2021	8.076	710.5	31.58
2	16.11.2021	14.12.2021	8.017	720.4	32.02
3	16.11.2021	14.12.2021	8.108	730.6	32.47

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 23.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
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Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	23.11.2021	8.033	510.7	22.70
2	16.11.2021	23.11.2021	8.066	520.5	23.13
3	16.11.2021	23.11.2021	8.099	530.4	23.57

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref.No.: CQCE/BBMP/NMK/017/2021-22

Date: 14.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
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Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	14.12.2021	8.047	720.6	32.03
2	16.11.2021	14.12.2021	8.169	730.5	32.47
3	16.11.2021	14.12.2021	8.012	740.1	32.89

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

S.No.: CQCE/BBMP/NMK/017/2021-22

Date: 23.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	23.11.2021	8.161	512.3	22.77
2	16.11.2021	23.11.2021	8.063	522.4	23.22
3	16.11.2021	23.11.2021	8.128	532.6	23.67

Note:

1. The Material is Satisfied as per the Requirements

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

S.No: CQCE/BBMP/NMK/017/2021-22

Date: 14.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Sundar Nagara
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	16.11.2021	14.12.2021	8.073	721.6	32.07
2	16.11.2021	14.12.2021	8.144	731.5	32.51
3	16.11.2021	14.12.2021	8.019	741.8	32.97

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 24.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	24.11.2021	8.118	514.6	22.87
2	17.11.2021	24.11.2021	8.187	524.7	23.32
3	17.11.2021	24.11.2021	8.135	535.4	23.80

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 15.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	15.12.2021	8.101	723.6	32.16
2	17.11.2021	15.12.2021	8.145	736.5	32.73
3	17.11.2021	15.12.2021	8.062	748.4	33.26

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No.: CQCE/BBMP/NMK/017/2021-22

Date: 24.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
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Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	24.11.2021	8.071	520.3	23.12
2	17.11.2021	24.11.2021	8.017	529.7	23.54
3	17.11.2021	24.11.2021	8.166	538.4	23.93

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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No.: CQCE/BBMP/NMK/017/2021-22

Date: 15.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	15.12.2021	8.038	726.5	32.29
2	17.11.2021	15.12.2021	8.168	738.4	32.82
3	17.11.2021	15.12.2021	8.013	749.6	33.32

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref No.: CQCE/BBMP/NMK/017/2021-22

Date: 24.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	24.11.2021	8.076	513.6	22.83
2	17.11.2021	24.11.2021	8.127	528.4	23.48
3	17.11.2021	24.11.2021	8.179	536.5	23.84

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

CQCE/BBMP/NMK/017/2021-22

Date: 15.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	15.12.2021	8.117	726.5	32.29
2	17.11.2021	15.12.2021	8.071	734.8	32.66
3	17.11.2021	15.12.2021	8.182	746.9	33.20

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

No: CQCE/BBMP/NMK/017/2021-22

Date: 24.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	24.11.2021	8.052	518.4	23.04
2	17.11.2021	24.11.2021	8.104	526.9	23.42
3	17.11.2021	24.11.2021	8.199	534.7	23.76

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref. CQCE/BBMP/NMK/017/2021-22

Date: 15.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	15.12.2021	8.108	728.4	32.37
2	17.11.2021	15.12.2021	8.054	736.6	32.74
3	17.11.2021	15.12.2021	8.140	745.7	33.14

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref: CQCE/BBMP/NMK/017/2021-22

Date: 24.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client Agency Name of the work	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, **Sri. N M Krishnamurthy,** Contractor, Bangalore. :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	24.11.2021	8.061	517.4	23.00
2	17.11.2021	24.11.2021	8.017	527.3	23.44
3	17.11.2021	24.11.2021	8.126	537.5	23.89

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Ref: CQCE/BBMP/NMK/017/2021-22

Date: 15.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP,
Agency	**Sri. N M Krishnamurthy,** Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Mohan kumar Nagara in front of Maseedi
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.11.2021	15.12.2021	8.067	722.4	32.11
2	17.11.2021	15.12.2021	8.169	736.3	32.72
3	17.11.2021	15.12.2021	8.199	745.7	33.14

Note:

1. The Material is Satisfied as per the Requirements.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

CQCE/BBMP/NMK/017/2021-22

Date: 26.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	26.11.2021	8.076	517.4	23.00
2	19.11.2021	26.11.2021	8.189	523.6	23.27
3	19.11.2021	26.11.2021	8.104	535.7	23.81

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

CQCE/BBMP/NMK/017/2021-22

Date: 17.12.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
Agency	Sri. N M Krishnamurthy, Contractor, Bangalore.
Name of the work	:Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	17.12.2021	8.037	723.5	32.16
2	19.11.2021	17.12.2021	8.177	736.8	32.75
3	19.11.2021	17.12.2021	8.149	745.9	33.15

Note:

1. The Material is Satisfied as per the Requirements

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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CQCE/BBMP/NMK/017/2021-22

Date: 26.11.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Name of the work	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, **Sri. N M Krishnamurthy,** Contractor, Bangalore. :Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE-2019-20 RRN-DIV-(13). BBMP, Bangalore
Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	26.11.2021	8.140	516.4	22.95
2	19.11.2021	26.11.2021	8.118	524.8	23.32
3	19.11.2021	26.11.2021	8.188	538.6	23.94

Note:

1. The Material is Satisfied as per the Requirements.

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	17.12.2021	8.028	726.8	32.30
2	19.11.2021	17.12.2021	8.129	736.9	32.75
3	19.11.2021	17.12.2021	8.091	748.7	33.28

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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CQCE/BBMP/NMK/017/2021-22

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Client	: Assistant Executive Engineer, Yashwanthapura Sub Division, BBMP,
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Grade of Concrete	: M30
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	26.11.2021	8.055	518.4	23.04
2	19.11.2021	26.11.2021	8.144	526.8	23.41
3	19.11.2021	26.11.2021	8.074	537.7	23.90

Note:

1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

NGCE/BBMP/NMK/017/2021-22

Date: 17.12.2021

EST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, **Sri. N M Krishnamurthy,** Contractor, Bangalore.
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Sample ID	: Cement Concrete
Location	Near By Ex Council Mamatha House (Ward No.17) Ambedkar Nagara (Ward No.37)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M30
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.11.2021	17.12.2021	8.171	719.9	32.00
2	19.11.2021	17.12.2021	8.071	730.4	32.46
3	19.11.2021	17.12.2021	8.021	741.6	32.96

Note:
1. The Material is Satisfied as per the Requirements.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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